

**REVERSE ERROR CORRECTION CODING WITH RUN LENGTH LIMITED  
CONSTRAINT**

**ABSTRACT OF THE DISCLOSURE**

A method and apparatus for communicating data is provided. The data is  
5 encoded in accordance with a run length limited (RLL) code. A seed is appended  
to the RLL encoded data. The seed can be used to alter the error correction code  
(ECC) parity to meet an RLL constraint.